

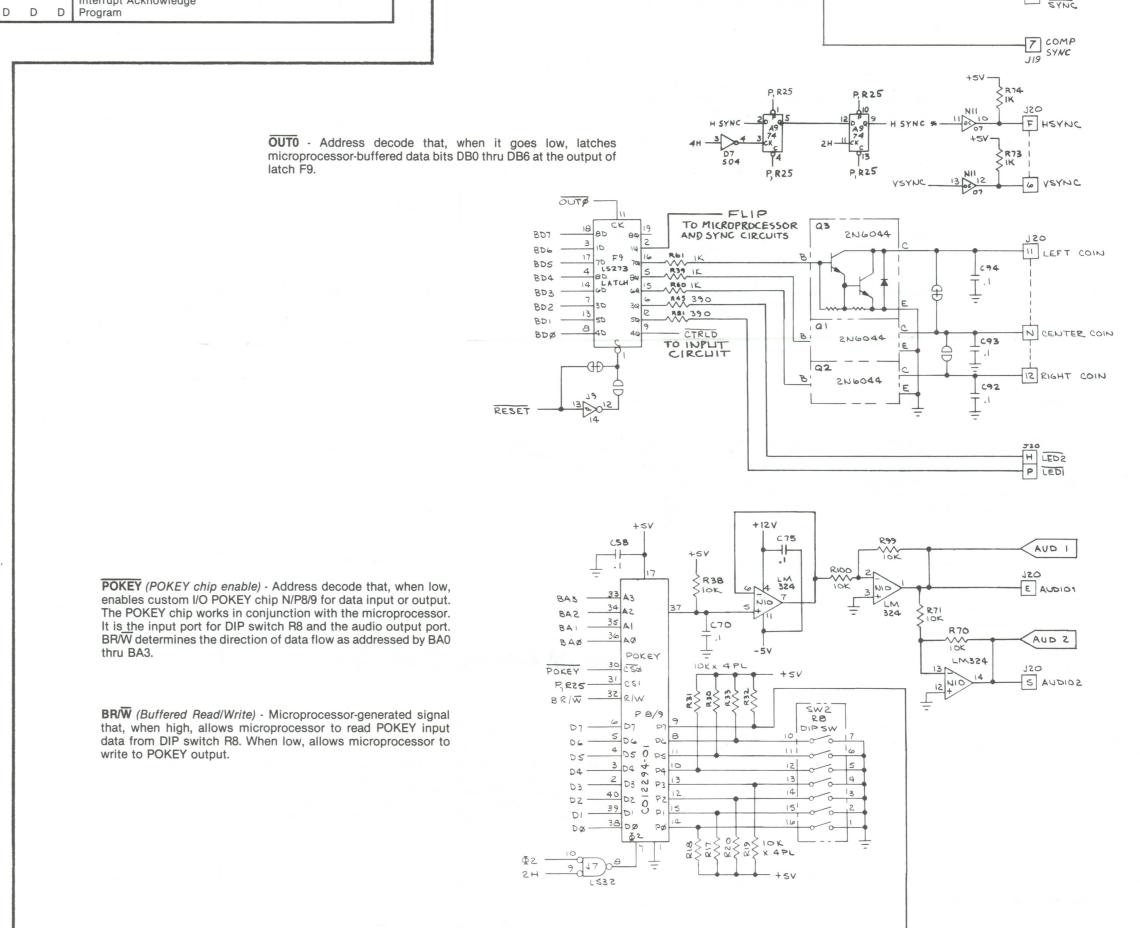
Memory Map for Address Decoding Circuit, Sheet 1, Side B

MEMORY MAP																										
HEXIDECIMAL	A15	A14	A13	A12	A11	ADDI A10	RESS A9	A8	A7	A6	A 5	A4	A3	A2	A1	Α0	R/W	D7	D6	D5	DAT D4	A D3	D2	D1	D0	FUNCTION
0000-01FF 0200-05FF 0600-063F 06F0-3FFF	0 0 0	0 0 0 0	0 0 0 A	0 0 0 A	0 0 0 A	0 A 1 A	A A 1 A	A O A	A 0 A	A A 0 A	A A A	A A A	A A A	A A A	A A A	A A A		D D D	512 Bytes of Working RAM 3rd-color-bit region of Screen RAM More Working RAM 2-color-bit region of Screen RAM							
4000-400F 4800	0 0 0 0	1 1 1	0 0 0	0 0 0	0 1 1 1	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	A 0 0	A 0 0	A 0 0	A 0 0	R R R	D D	D D	D D	D	D	D	D	D	POKEY Ports Right Coin Switch Input Center Coin Switch Input Left Coin Switch Input
	0 0 0	1 1 1	0 0 0	0 0 0	1 1 1	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	R R R R				D	D	D	D		1-player Start Switch Input 2-player Start Switch Input 2nd-player left Fire Switch Input (Cocktail Only) 2nd-player center Fire Switch Input (Cocktail Only)
	0 0 0 0	1 1 1	0 0 0	0 0 0	1 1 1 1	0 0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	R R R W	D	D D	D	D	D	D	D	D D	2nd-player right Fire Switch Input (Cocktail Only) Horizontal TRAK BALL displacement if CTRLD latched high Vertical TRAK BALL displacement if CTRLD latched high Screen Flip
	0 0 0 0	1 1 1 1	0 0 0	0 0 0	1 1 1 1	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	W W W			D	D	D	D			Left Coin Counter Output Center Coin Counter Output Right Coin Counter Output 2-Player Start LED Output
4900	0 0 0 0	1 1 1 1	0 0 0	0 0 0	1 1 1 1	0 0 0	0 0 0	0 0 1 1	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0 0	0 0 0	0 0 0	W W R R	D	D					D	D	1-Player Start LED Output CTRLD - If low, read Switches. If high, read TRAK BALL VBLANK read Self-Test Switch Input
	0 0 0	1 1 1 1	0 0 0	0 0 0	1 1 1 1	0 0 0	0 0 0	1 1 1	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	R R R			D	D	D	D		36	SLAM Switch Input Horizontal TRAK BALL Direction Input Vertical TRAK BALL Direction Input 1st-player left Fire Switch Input
4A00 4B00-4B07	0 0 0 0	1 1 1 1	0 0 0	0 0 0	1 1 1	0 0 0	0 0 1 1	1 1 0 1	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0 A	0 0 0 A	0 0 0 A	R R R W	D	D	D	D	D D	D D	D D D	D D	1st-player center Fire Switch Input 1st-player right Fire Switch Input Option Switch Inputs Color RAM
4C00 4D00 5000-7FFF	0 0 0	1 1 A	0 0 A	0 0 A	1 1 A	1 1 A	0 0 A	0 1 A	0 0 A	0 0 A	0 0 A	0 0 A	0 0 A	0 0 A	0 0 A	0 0 A	W W R	ı D	D	D	D	D	D	D	D	Watchdog Interrupt Acknowledge Program

VTB CLKX (Vertical Trak Ball Clock) - Player 1 or player 2 vertical Trak Ball clock input to game PCB from vertical steering PCB of Trak Ball. Player 2 input is used only in Cocktail game, and game PCB must have -02 or higher Program Memory Installed.

VTB DIRX (Vertical Trak Ball Direction) - Player 1 or player 2 vertical Trak Ball direction input to game PCB from vertical steering PCB of Trak Ball. Player 2 input is used only in Cocktail game, and game PCB must have -02 or higher Program Memory Installed.

INO - Address decode that, when low, enables buffer L9 for data input to the microprocessor of COIN switches, START switches, player 2 FIRE switches (for Cocktail game only), or Trak Ball rate of turn information. If CTRLD is low, data is from switches. If high, Data is Trak Ball information.



Output Circuits

VBLANK* 13 HT II

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Sheet 2, Side B

MISSILE COMMAND™

Input and Output Circuitry

Section of 035467-XX D